50.

JCWSCS 2 1 JUL 2004

07/20/2004 16:35

5123940054

DR SHAYNE SHORT

PAGE 01

	tis Palent an	PTO/S2/21 (02-04) Approved for use through 07/31/2006, OMB 0651-0031 d Trademark Office; U.S. DEPARTMENT OF COMMERCE i Information unless it displays a valid OME control number.
Under the Panntwork Reduction Act of 1995.	Application Number	0/802,023
TRANSMITTAL		3/16/2004
FORM	First Named Inventor B:	a-Zhong Shen, Ph.D.
(to be used for all correspondence after initial i	Ad Hall	331
10 20 202 10/ Gill 10/ 10/ 10/ 10/ 10/ 10/ 10/ 10/ 10/ 10/	1 1	/a
		P3089CIP
Total Number of Pages in This Submission		
ENCLOSURES (Check all that apply)		
Fee Transmittal Form Fee Attached Amendment/Reply After Final Affidavits/declaration(a) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53	Serial No. 60/548,953, "LDPC (Low Density decoding using non-Gray code maps for in	Other Enclosure(s) (please Identify below): Marked up copy of filing receipt ria facsimile to 703-746-9195. Also claims priority to U.S. Provisional Application by Parity Check) coded modulation symbol performance," (Attorney Docket No. 1004), ponding, ac indicated on page 1 of the ionity information was not included on the
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name Gerlick Harrison & Markison, LLP (USPTO CN 34399) Shayne X. Short, Ph.D. (Reg. No. 45,105)		
Date 07/20/2004		
CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with outficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Shayne X. Short, Ph.D. (Reg. No. 45,105)		
Signature	. Skolart	Date 07/20/2004

This collection of Information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the hiddenial cace. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

BP3089CIP

PAGE 02 Page 1 of 2

GARLICE HARRISON & MARKISON, LLP

DATE REC'D.

APPL NO.

10/802,023

INITED STATES PATENT AND TRADEMARK OFFICE

ARTUNIT

2631

FIL FEE REC'D

1036

L Box 1450

IND CLMS TOT CLMS DRAWNGS ATTY, DOCKET NO

CONFIRMATION NO. 2630

34399 GARLICK HARRISON & MARKISON LLP P.O. BOX 160727 AUSTIN, TX 78716-0727

FILING OR 371

(c) DATE

03/16/2004

FILING RECEIPT QC0000000012851417*

Date Mailed: 06/03/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt Incorporating the requested corrections (if appropriate).

Applicant(s)

Ba-Zhong Shen, Irvine, CA; Hau Thien Tran, Irvine, CA; Kelly Brian Cameron, Irvine, CA; to be added

Domestic Priority data as claimed by applicant

This application is a CIP of 10/668,526 09/23/2003 which claims benefit of 60/478,690 06/13/2003

and claims benefit of 60/490,967 07/29/2003

and claims benefit of

03/01/2004

Foreign Applications

If Required, Foreign Filing License Granted: 06/02/2004

Projected Publication Date: 12/16/2004

Non-Publication Request: No

Early Publication Request: No

Title

LDPC (Low Density Parity Check) coded modulation symbol decoding using non-Gray code

PAGE 2/3 * RCVD AT 7/20/2004 5:35:11 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-2/2 * DNIS:7469195 * CSID:5123940054 * DURATION (mm-ss):01-38

maps for improved performance

Preliminary Class

375

LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws rolating to esplonage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, especially with respect to certain countries, of other agencies, particularly the Office of Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Department of State (with respect to Arms, Munitions and Implements of War (52 CFR 121-128)); the Office of Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).